

Executive Summary Report

SMOG CHECK Statewide

Second Quarter 2011

1. Testing Volume

	All Tests	Failed	Percent (%) Failed
Initial Test	2,377,034	297,199	12.50%
Total	2,745,799	378,399	13.78%

2. Certification Volume

	Certificates Issued	Percent (%) Certificates Issued	No Certificates Issued	Percent (%) No Certificates Issued
Initial Test	2,050,888	86.28%	326,146	13.72%
Total	2,328,186	84.79%	417,613	15.21%

3. Certification Volume (Test Only)

	Certificates Issued	Percent (%) Certificates Issued	No Certificates Issued	Percent (%) No Certificates Issued
Initial Test	1,268,957	85.77%	210,617	14.23%
Total	1,461,067	84.58%	266,395	15.42%

4. Initial Test Failures by Failure Type

	Failed	Percent (%) Failed
Gross Polluters	35,019	1.47%
All Emissions	147,713	6.21%
All Visual	36,327	1.53%
All Functional	188,820	7.94%
OBDII	125,632	5.29%
Overall	297,199	12.50%

5. Initial Tests at Test-Only Stations

	Initial Tests	Certificates Issued
Volunteers	899,823	810,286
Directed Vehicles	579,751	458,671
Total	1,479,574	1,268,957

6. Initial Tests at Gold Shield Stations

	Initial Tests	Certificates Issued
Volunteers	148,159	128,142
Directed Vehicles	46,843	34,000
Total	195,002	162,142

7. Number of Stations by Type/Privilege and Program Area

Station Type	Enhanced	Partial	Basic	Change of Ownership	Unknown	Total
Regular Test and Repair	3,628	285	548	31	0	4,492
Test Only	2,568	49	29	1	0	2,647
Basic Area Dealer	0	1	104	0	0	105
Gold Shield	480	28	45	76	0	629
Business Fleet	3	0	0	0	0	3
Permanent Fleet Registered	30	1	4	0	0	35
Referee	36	0	6	1	0	43
Government Fleet	247	9	37	2	0	295
Unknown Type	1	0	0	0	0	1
Total	6,993	373	773	111	0	8,250

8. Initial Test Failures by Program Area

Program Areas	Initial Tests	Failed	Percent (%) Failed	Gross Polluters	Percent (%) Gross Polluters
Enhanced	1,872,441	241,602	12.90%	27,703	1.48%
Partially Enhanced	125,329	18,032	14.39%	2,045	1.63%
Basic	218,006	22,136	10.15%	3,071	1.41%
Change of Ownership	17,770	2,370	13.34%	523	2.94%
No Program	20	3	15.00%	0	0.00%
Unknown Program	143,468	13,056	9.10%	1,677	1.17%
Total Program Area	2,377,034	297,199	12.50%	35,019	1.47%

9. Initial Test Failures by Station Type

Station Types	Initial Tests	Failed	Percent (%) Failed	Gross Polluters	Percent (%) Gross Polluters
Test Only	1,479,574	206,543	13.96%	24,913	1.68%
Regular	675,280	57,289	8.48%	5,775	0.86%
Basic Area Dealer	14,553	560	3.85%	45	0.31%
Gold Shield in Enhanced Area	149,139	25,026	16.78%	3,046	2.04%
Gold Shield in Basic Area	29,143	3,889	13.34%	593	2.03%
Gold Shield in COO Area	16,720	2,246	13.43%	426	2.55%
Business Fleet	19	0	0.00%	0	0.00%
Permanent Fleet Registered	89	10	11.24%	0	0.00%
Referee	1,328	640	48.19%	130	9.79%
Government Fleet	11,181	995	8.90%	91	0.81%
Unknown Privilege	8	1	12.50%	0	0.00%
Total	2,377,034	297,199	12.50%	35,019	1.47%

10. Initial Tests by Vehicle Model Year

Model Year	Initial Tests	Failed Overall	Percent (%) Failed Overall	Percent (%) Failed Emissions	Percent (%) Failed Gross Polluters	Percent (%) Failed Functional	Percent (%) Failed Visual	Percent (%) Failed OBDII
MY-1931	1	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
MY-1937	1	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
MY-1960	1	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
MY-1965	1	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
MY-1976	2,936	761	25.92%	18.84%	8.45%	13.04%	7.90%	0.00%
MY-1977	3,848	1,028	26.72%	18.35%	7.41%	16.03%	8.34%	0.00%
MY-1978	4,524	1,234	27.28%	18.28%	7.85%	15.34%	8.66%	0.00%
MY-1979	4,560	1,380	30.26%	21.93%	9.41%	16.25%	8.86%	0.00%
MY-1980	2,768	733	26.48%	18.89%	9.10%	15.21%	7.37%	0.00%
MY-1981	3,355	989	29.48%	23.70%	9.78%	15.02%	8.17%	0.00%
MY-1982	3,783	1,142	30.19%	23.26%	9.38%	15.23%	7.85%	0.00%
MY-1983	5,228	1,606	30.72%	24.66%	9.51%	15.19%	7.71%	0.00%
MY-1984	9,287	2,986	32.15%	26.04%	10.61%	15.61%	7.55%	0.00%
MY-1985	12,211	3,821	31.29%	25.44%	9.79%	14.74%	6.71%	0.00%
MY-1986	16,953	5,014	29.58%	23.25%	8.57%	14.72%	6.42%	0.00%
MY-1987	19,746	5,979	30.28%	24.20%	7.97%	14.23%	5.40%	0.00%
MY-1988	24,526	6,979	28.46%	22.49%	7.14%	13.45%	4.97%	0.00%
MY-1989	32,895	8,892	27.03%	21.13%	6.19%	12.73%	4.29%	0.00%
MY-1990	41,262	10,924	26.47%	20.95%	5.84%	12.03%	3.89%	0.00%
MY-1991	48,593	12,709	26.15%	20.49%	5.34%	11.77%	3.51%	0.00%
MY-1992	50,950	12,712	24.95%	19.74%	5.05%	10.59%	3.21%	0.00%
MY-1993	60,256	16,226	26.93%	22.09%	4.62%	10.47%	3.30%	0.00%
MY-1994	71,645	17,624	24.60%	19.22%	3.55%	9.95%	3.23%	0.00%
MY-1995	100,462	21,426	21.33%	16.35%	2.75%	8.17%	2.73%	0.00%
MY-1996	77,229	15,420	19.97%	9.74%	1.52%	12.98%	2.08%	11.91%
MY-1997	131,580	20,558	15.62%	6.58%	1.10%	10.67%	1.56%	9.82%
MY-1998	112,826	16,377	14.52%	5.68%	1.01%	10.30%	1.52%	9.71%
MY-1999	185,289	19,288	10.41%	3.14%	0.58%	7.97%	1.13%	7.57%
MY-2000	124,389	14,289	11.49%	2.93%	0.61%	9.21%	1.18%	8.95%
MY-2001	255,847	27,000	10.55%	1.40%	0.29%	9.48%	0.78%	9.35%
MY-2002	106,265	10,869	10.23%	1.61%	0.36%	8.99%	0.95%	8.87%
MY-2003	281,317	17,843	6.34%	0.76%	0.16%	5.67%	0.54%	5.59%
MY-2004	88,388	5,403	6.11%	0.89%	0.14%	5.34%	0.59%	5.26%
MY-2005	325,413	12,390	3.81%	0.38%	0.07%	3.35%	0.35%	3.29%
MY-2006	54,482	1,620	2.97%	0.69%	0.08%	2.46%	0.36%	2.42%
MY-2007	54,564	1,118	2.05%	0.32%	0.04%	1.74%	0.17%	1.69%
MY-2008	24,525	422	1.72%	0.55%	0.04%	1.50%	0.13%	1.45%
MY-2009	12,650	180	1.42%	0.36%	0.03%	1.27%	0.09%	1.22%
MY-2010	16,838	186	1.10%	0.18%	0.01%	0.94%	0.07%	0.89%
MY-2011	5,586	71	1.27%	0.18%	0.00%	1.13%	0.14%	1.11%
MY-2012	54	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
All Model Years	2,377,034	297,199	12.50%	6.21%	1.47%	7.94%	1.53%	5.29%

11. Referee Activity

	Certificates Issued
Certificate of Compliance	1,169
Certificate of Non Compliance	0
Parts Cost	405
Hardship Extensions	0
Exempt Vehicle	110
Exempted by Directive	19
Parts Exemption	43
Unknown Outcome	0
Permanently Exempt Vehicle	0
Temporarily Exempt Vehicle	0
	1,746

12. Active Stations

	Station Count
Licensed Stations that did not Conduct a Test	917
Stations Locked-Out at Least Once	840
Stations Conducted at Least One Test	7,333

13. Active Technicians

License Type	Endorsement	Technician Count	Daily Average
EA	Both Endorsement	10,656	5,892
EA	Gas Endorsement	10	0
EB	Both Endorsement	49	0
EB	Gas Endorsement	480	0
GU	Both Endorsement	20	0

14. Inspection Costs

	ASM Initial Test Count	Avg ASM Inspection Cost	TSI Initial Test Count	Avg TSI Inspection Cost	Total Initial Tests	Overall Average Inspection Cost
Test Only	1,262,433	47.55	182,257	48.52	1,444,690	47.67
Test and Repair	425,263	47.39	225,623	46.81	650,886	47.19
Test and Repair Dealer	106	63.69	13,373	51.81	13,479	51.90
Referee	572	30.00	217	30.00	789	30.00
Gold Shield in Enhanced Area	125,104	46.84	20,371	48.52	145,475	47.07
Gold Shield in Basic Area	1,357	61.10	26,909	37.04	28,266	38.19
Gold Shield in COO Area	3,098	53.61	12,919	54.89	16,017	54.64

15. Repair Costs

Repair Type	All Cost Ranges	Repair Count	Average Cost	(All Cost Ranges) Repair Count	(All Cost Ranges) Average Cost
Regular Repairs	\$1-50	10,923	23.26	47,469	292.82
	\$51-150	9,612	100.40		
	\$151-250	7,329	201.45		
	\$251-450	9,950	340.95		
	Over \$450	9,655	809.12		
CAP Repairs	\$1-50	145	22.01	2,902	500.34
	\$51-150	221	97.95		
	\$151-250	190	205.26		
	\$251-450	542	358.76		
	Over \$450	1,804	661.70		
Total Repairs	\$1-50	10,437	23.41	48,721	315.10
	\$51-150	9,393	100.43		
	\$151-250	7,297	201.73		
	\$251-450	10,212	341.97		
	Over \$450	11,382	808.32		

16. CAP Repair Costs

	Total Vehicles	Average Repair Cost
CAP Repairs	2,752	500.34

17. Drill-Through

	Program Areas	Station Types	Certificates Issued	Total Failed	Gross Polluters	Tampered	All OBD-II Failed	All Emission Failed	All Functional Failed	All Visual Failed
Acceleration Simulation Mode (ASM)	Basic	Gold Shield in Enhanced Area	24	8	0	1	1	6	4	1
Acceleration Simulation Mode (ASM)	Basic	Referee	1	2	1	0	0	2	1	0

	Program Areas	Station Types	Certificates Issued	Total Failed	Gross Polluters	Tampered	All OBD-II Failed	All Emission Failed	All Functional Failed	All Visual Failed
Acceleration Simulation Mode (ASM)	Basic	Test and Repair	151	25	3	0	10	13	17	1
Acceleration Simulation Mode (ASM)	Basic	Test Only	210	30	2	3	12	13	20	5
Acceleration Simulation Mode (ASM)	Change of Ownership	Gold Shield in COO Area	2	1	0	0	1	1	1	0
Acceleration Simulation Mode (ASM)	Change of Ownership	Referee	1	3	0	1	0	2	2	1
Acceleration Simulation Mode (ASM)	Change of Ownership	Test and Repair	26	1	0	0	0	1	0	1
Acceleration Simulation Mode (ASM)	Change of Ownership	Test Only	29	11	3	0	2	9	5	1
Acceleration Simulation Mode (ASM)	Enhanced	Gold Shield in Basic Area	928	194	16	6	58	103	100	20
Acceleration Simulation Mode (ASM)	Enhanced	Gold Shield in COO Area	2,298	504	55	24	224	259	329	56
Acceleration Simulation Mode (ASM)	Enhanced	Gold Shield in Enhanced Area	88,821	19,484	2,358	1,137	7,951	9,908	12,304	2,696
Acceleration Simulation Mode (ASM)	Enhanced	Government Fleet	0	198	5	2	126	51	147	3
Acceleration Simulation Mode (ASM)	Enhanced	Permanent Fleet Registered	20	3	0	0	2	1	2	0
Acceleration Simulation Mode (ASM)	Enhanced	Referee	323	407	90	143	94	217	234	223
Acceleration Simulation Mode (ASM)	Enhanced	Test and Repair	295,896	25,709	2,078	1,470	14,601	9,400	18,691	2,854
Acceleration Simulation Mode (ASM)	Enhanced	Test Only	1,007,445	178,093	21,325	9,737	67,439	98,287	106,632	20,618
Acceleration Simulation Mode (ASM)	Partial	Gold Shield in Basic Area	178	51	15	0	21	35	30	2
Acceleration Simulation Mode (ASM)	Partial	Gold Shield in COO Area	156	25	3	2	12	12	15	5
Acceleration Simulation Mode (ASM)	Partial	Gold Shield in Enhanced Area	8,309	2,144	237	135	852	1,098	1,376	274
Acceleration Simulation Mode (ASM)	Partial	Government Fleet	0	10	0	0	7	3	8	0
Acceleration Simulation Mode (ASM)	Partial	Referee	15	20	6	9	3	10	16	15
Acceleration Simulation Mode (ASM)	Partial	Test and Repair	49,561	8,557	927	416	3,295	4,510	5,204	884

	Program Areas	Station Types	Certificates Issued	Total Failed	Gross Polluters	Tampered	All OBD-II Failed	All Emission Failed	All Functional Failed	All Visual Failed
Acceleration Simulation Mode (ASM)	Partial	Test Only	32,474	5,960	730	407	2,229	3,218	3,514	758
Acceleration Simulation Mode (ASM)	Unknown Program	Gold Shield in COO Area	86	12	0	1	6	4	7	1
Acceleration Simulation Mode (ASM)	Unknown Program	Gold Shield in Enhanced Area	4,560	851	106	72	393	408	555	144
Acceleration Simulation Mode (ASM)	Unknown Program	Government Fleet	0	690	81	3	80	563	140	7
Acceleration Simulation Mode (ASM)	Unknown Program	Referee	44	40	10	18	7	20	25	25
Acceleration Simulation Mode (ASM)	Unknown Program	Test and Repair	38,023	3,071	335	213	1,573	1,365	2,074	418
Acceleration Simulation Mode (ASM)	Unknown Program	Test Only	41,851	5,632	774	425	2,423	2,959	3,468	829
Two Speed Idle (TSI)	Basic	Gold Shield in Basic Area	20,139	3,155	486	246	1,214	1,073	2,148	618
Two Speed Idle (TSI)	Basic	Gold Shield in COO Area	453	47	10	1	24	22	30	3
Two Speed Idle (TSI)	Basic	Gold Shield in Enhanced Area	3,342	665	119	47	297	227	493	114
Two Speed Idle (TSI)	Basic	Referee	54	82	15	38	17	27	58	49
Two Speed Idle (TSI)	Basic	Test and Repair	123,729	13,599	1,823	768	6,261	4,124	10,102	1,794
Two Speed Idle (TSI)	Basic	Test and Repair Dealer	9,516	415	40	29	218	100	310	57
Two Speed Idle (TSI)	Basic	Test Only	27,356	3,684	572	248	1,631	1,274	2,572	552
Two Speed Idle (TSI)	Change of Ownership	Gold Shield in Basic Area	177	56	17	7	15	23	40	13
Two Speed Idle (TSI)	Change of Ownership	Gold Shield in COO Area	5,988	1,086	258	65	358	512	712	161
Two Speed Idle (TSI)	Change of Ownership	Gold Shield in Enhanced Area	315	59	14	4	18	30	42	7
Two Speed Idle (TSI)	Change of Ownership	Referee	5	9	5	2	2	7	8	8
Two Speed Idle (TSI)	Change of Ownership	Test and Repair	5,120	623	115	57	266	226	455	106
Two Speed Idle (TSI)	Change of Ownership	Test Only	2,980	485	111	50	143	212	318	101
Two Speed Idle (TSI)	Enhanced	Gold Shield in Basic Area	1,544	171	21	28	78	39	119	37
Two Speed Idle (TSI)	Enhanced	Gold Shield in COO Area	1,570	164	17	7	88	46	124	17
Two Speed Idle (TSI)	Enhanced	Gold Shield in Enhanced Area	12,400	1,413	186	81	869	346	1,119	174
Two Speed Idle (TSI)	Enhanced	Government Fleet	0	47	4	0	31	9	38	1
Two Speed Idle (TSI)	Enhanced	Referee	66	40	1	11	24	4	31	13
Two Speed Idle (TSI)	Enhanced	Test and Repair	54,126	3,127	275	170	2,131	578	2,560	304

	Program Areas	Station Types	Certificates Issued	Total Failed	Gross Polluters	Tampered	All OBD-II Failed	All Emission Failed	All Functional Failed	All Visual Failed
Two Speed Idle (TSI)	Enhanced	Test and Repair Dealer	1,402	50	4	4	32	8	43	6
Two Speed Idle (TSI)	Enhanced	Test Only	124,586	10,629	1,268	543	6,846	2,592	8,185	1,061
Two Speed Idle (TSI)	Partial	Gold Shield in Basic Area	156	18	4	2	10	5	15	3
Two Speed Idle (TSI)	Partial	Gold Shield in COO Area	136	18	2	1	9	6	15	1
Two Speed Idle (TSI)	Partial	Gold Shield in Enhanced Area	867	125	13	13	73	29	100	23
Two Speed Idle (TSI)	Partial	Test and Repair	6,061	546	71	37	302	137	425	67
Two Speed Idle (TSI)	Partial	Test Only	3,526	323	37	32	183	77	243	55
Two Speed Idle (TSI)	Unknown Program	Gold Shield in Basic Area	1,151	179	34	26	66	67	123	50
Two Speed Idle (TSI)	Unknown Program	Gold Shield in COO Area	2,956	354	81	30	168	144	255	48
Two Speed Idle (TSI)	Unknown Program	Gold Shield in Enhanced Area	1,115	79	13	6	46	19	60	13
Two Speed Idle (TSI)	Unknown Program	Government Fleet	0	23	1	0	16	5	18	0
Two Speed Idle (TSI)	Unknown Program	Referee	28	13	2	5	2	7	10	7
Two Speed Idle (TSI)	Unknown Program	Test and Repair	15,090	1,225	148	101	729	322	962	186
Two Speed Idle (TSI)	Unknown Program	Test and Repair Dealer	1,480	34	1	2	16	5	27	4
Two Speed Idle (TSI)	Unknown Program	Test Only	10,899	713	91	38	457	184	565	77
UnKnown TestType	Basic	Gold Shield in Basic Area	671	52	0	2	35	56	35	20
UnKnown TestType	Basic	Gold Shield in COO Area	36	1	0	1	0	1	0	1
UnKnown TestType	Basic	Gold Shield in Enhanced Area	183	20	0	3	12	21	12	10
UnKnown TestType	Basic	Government Fleet	0	1	0	0	1	6	1	0
UnKnown TestType	Basic	Referee	5	2	0	2	1	2	1	2
UnKnown TestType	Basic	Test and Repair	4,980	243	0	31	176	265	176	78
UnKnown TestType	Basic	Test and Repair Dealer	806	38	0	4	28	40	28	12
UnKnown TestType	Basic	Test Only	863	51	0	10	39	52	39	17
UnKnown TestType	Change of Ownership	Gold Shield in Basic Area	9	1	0	0	0	1	0	1
UnKnown TestType	Change of Ownership	Gold Shield in COO Area	219	15	0	4	10	16	10	5
UnKnown TestType	Change of Ownership	Gold Shield in Enhanced Area	11	1	0	1	0	1	0	1
UnKnown TestType	Change of Ownership	Referee	0	1	0	1	0	1	0	1
UnKnown TestType	Change of Ownership	Test and Repair	166	8	0	1	5	8	5	3
UnKnown TestType	Change of Ownership	Test and Repair Dealer	12	1	0	1	0	1	0	1

	Program Areas	Station Types	Certificates Issued	Total Failed	Gross Polluters	Tampered	All OBD-II Failed	All Emission Failed	All Functional Failed	All Visual Failed
UnKnown TestType	Change of Ownership	Test Only	60	3	0	1	2	3	2	2
UnKnown TestType	Enhanced	Gold Shield in Basic Area	54	5	0	0	3	6	3	2
UnKnown TestType	Enhanced	Gold Shield in COO Area	153	7	0	1	4	14	4	3
UnKnown TestType	Enhanced	Gold Shield in Enhanced Area	2,253	139	0	23	98	162	98	50
UnKnown TestType	Enhanced	Government Fleet	0	2	0	0	2	138	2	0
UnKnown TestType	Enhanced	Referee	36	6	0	4	3	7	3	5
UnKnown TestType	Enhanced	Test and Repair	8,464	380	0	58	273	473	273	124
UnKnown TestType	Enhanced	Test and Repair Dealer	104	2	0	1	0	3	0	2
UnKnown TestType	Enhanced	Test Only	14,349	821	0	141	605	876	605	263
UnKnown TestType	Partial	Gold Shield in Basic Area	18	3	0	0	2	3	2	1
UnKnown TestType	Partial	Gold Shield in COO Area	10	3	0	0	2	3	2	1
UnKnown TestType	Partial	Gold Shield in Enhanced Area	423	31	0	3	21	31	21	11
UnKnown TestType	Partial	Government Fleet	0	0	0	0	0	1	0	0
UnKnown TestType	Partial	Referee	4	2	0	1	1	2	1	1
UnKnown TestType	Partial	Test and Repair	2,488	123	0	26	84	129	84	48
UnKnown TestType	Partial	Test and Repair Dealer	36	2	0	0	1	2	1	1
UnKnown TestType	Partial	Test Only	1,127	62	0	15	37	66	37	26
UnKnown TestType	Unknown Program	Gold Shield in Basic Area	53	4	0	4	1	6	1	4
UnKnown TestType	Unknown Program	Gold Shield in COO Area	185	9	0	4	3	16	3	7
UnKnown TestType	Unknown Program	Gold Shield in Enhanced Area	186	5	0	2	2	16	2	3
UnKnown TestType	Unknown Program	Government Fleet	0	8	0	0	7	80	7	1
UnKnown TestType	Unknown Program	Permanent Fleet Registered	0	1	0	0	1	1	1	0
UnKnown TestType	Unknown Program	Referee	74	13	0	10	1	13	1	12
UnKnown TestType	Unknown Program	Test and Repair	1,375	51	0	9	35	127	35	19
UnKnown TestType	Unknown Program	Test and Repair Dealer	69	1	0	0	1	1	1	0
UnKnown TestType	Unknown Program	Test Only	1,195	45	0	7	34	99	34	14